CLAIMS

1.   A system for assisting selection of power tool, which is connected to a memory provided in a power tool for storing data concerning a model or specification of the power tool and data concerning a use record therein, reads out the data from the memory, judges whether the power tool is suitable for work description for which the power tool is used, or not, by using the data read out, and selects and presents the power tool suitable for the work description when the power tool is not suitable for the work description, comprising:

a memory unit for storing data concerning a plurality of selectable models and specifications of power tools;

a work description estimation unit for estimating a work description by using the data concerning the use record read out from the memory;

a power tool suitability judging unit for judging whether the model or specification of the power tool is suitable for the estimated work description or not;

a power tool selection unit for selecting a model of the power tool with a specification suitable for an estimated work description among the models of the power tools stored in the memory unit when it is judged that the model or specification of the power tool is not suitable for the estimated work description; and

a display unit for displaying result of judgment by the

power tool suitability judging unit and the model of the power tool selected by the power tool selection unit.

2.   The system for assisting selection of power tool in accordance with claim 1, wherein the data concerning the use record includes working time during a period from turn-on to turn-off of a switch of the power tool, resting time during a period from a turn-off to next turn-on of the switch, a number of times when the switch is turned on, a maximum current value and an average current value of currents flowing to a motor during the working time.

3.   The system for assisting selection of power tool in accordance with claim 1, wherein when the power tool comprises a rechargeable secondary battery, the memory unit further stores a plurality of models and specifications of secondary battery packs capable of being attached to the power tool and a plurality of models and specifications of battery chargers for charging the secondary battery pack, and the power tool selection unit further selects the models of the secondary battery pack and the battery charger suitable for the estimated work description.

4.   The system for assisting selection of power tool in accordance with 3 further comprising: a battery lifetime judging unit for judging lifetime of the secondary battery when the memory of the power tool further stores record data concerning charge and discharge of the secondary battery

therein; and wherein the display unit displays remaining lifetime and replacement time of the secondary battery.

5.   A power tool comprising: a motor for generating driving force; a switch operated by the user; a control unit for controlling on/off of power supply to the motor depending on turn-on/turn-off of the switch; and a memory connected to the control unit for storing data concerning a use record therein and outputting the stored data to another device.

6.   The power tool in accordance with claim 5 further comprising a motor current monitor unit for monitoring currents flowing to the motor.

7.   The power tool in accordance with claim 6, wherein the data concerning the use record includes working time during a period from turn-on to turn-off of the switch, resting time during the period from turn-off to next turn-on of the switch, a number of times when the switch is turned on, a maximum current value and an average current value of currents flowing to a motor during the working time.

8.   The power tool in accordance with claim 5 further comprising a rechargeable secondary battery as a power source.

9.   The power tool in accordance with claim 5, wherein the memory is a detachable nonvolatile memory.

10.   A program for assisting selection of power tool which selects and presents a power tool suitable for work description

of the user by being read and run in a computer comprising:

a step for reading out data concerning a model or specification of the power tool and data concerning a use record from a memory provided in the power tool;

a step for estimating a work description by using the data concerning use record read out from the memory;

a step for judging whether the model or specification of the power tool is suitable for the estimated work description or not;

a step for selecting a model of the power tool with a specification suitable for an estimated work description among previously stored models of the power tools when it is judged that the model or specification of the power tool is not suitable for the estimated work description; and

a step for displaying a result of judgment and the selected model of the power tool.

11.   The program for assisting selection of power tool in accordance with claim 10, wherein the data concerning the use record includes working time during a period from turn-on to turn-off of the switch, resting time during a period from turn-off to next turn-on of the switch, a number of times when the switch is turned on, a maximum current value and an average current value of currents flowing to a motor during the working time.

12.   The program for assisting selection of power tool in

accordance with claim 10, further comprising a step for selecting models of a secondary battery pack and a battery charger suitable for the estimated work description among a plurality of previously stored models of the secondary battery packs capable of being attached to the power tool and a plurality of previously stored models of the battery chargers for charging the secondary battery pack, when the power tool comprises a rechargeable secondary battery pack.

13.   The program for assisting selection of power tool in accordance with claim 12, further comprising a step for reading out a record data concerning charge and discharge of the secondary battery pack from the memory, a step for judging lifetime of the secondary battery and a step for displaying remaining lifetime or replacement time of the secondary battery pack, when the memory of the power tool further stores record data concerning charge/discharge of the secondary battery therein.

14.   A recording medium that records a program for assisting selection of power tool which selects and presents a power tool suitable for work description of the user by being read and run in a computer therein, the program comprising:

a step for reading out data concerning a model or specification of the power tool and data concerning a use record from a memory provided in the power tool;

a step for estimating a work description by using the

data concerning use record read out from the memory;

a step for judging whether the model or specification of the power tool is suitable for the estimated work description or not;

a step for selecting a model of the power tool with a specification suitable for an estimated work description among previously stored models of the power tools when it is judged that the model or specification of the power tool is not suitable for the estimated work description; and

a step for displaying a result of judgment and the selected model of the power tool.

15. The recording medium that records a program for assisting selection of power tool therein in accordance with 14, wherein the data concerning the use record includes working time during a period from turn-on to turn-off of the switch, resting time during a period from turn-off to next turn-on of the switch, a number of times when the switch is turned on, a maximum current value and an average current value of currents flowing to a motor during the working time.

16. The recording medium that records a program for assisting selection of power tool therein in accordance with 14, wherein the program for assisting selection of power tool further comprising a step for selecting models of a secondary battery pack and a battery charger suitable for the estimated work description among a plurality of previously stored

models of the secondary battery packs capable of being attached to the power tool and a plurality of previously stored models of the battery chargers for charging the secondary battery pack, when the power tool comprises a rechargeable secondary battery pack.

17. The recording medium that records a program for assisting selection of power tool therein in accordance with 16 , wherein the program for assisting selection of power tool further comprising a step for reading out a record data concerning charge and discharge of the secondary battery pack from the memory, a step for judging lifetime of the secondary battery and a step for displaying remaining lifetime or replacement time of the secondary battery pack, when the memory of the power tool further stores record data concerning charge/discharge of the secondary battery therein.